

1652

#15/32  
2-57-0



# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/534,229B  
Source: 1652  
Date Processed by STIC: 2/13/2002

RECEIVED  
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TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.  
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:  
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,  
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY  
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.  
PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)  
PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:  
<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



1652

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:06

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

*p. 4*

**Does Not Comply  
Corrected Diskette Needed**

5 <110> APPLICANT: Kawakami, Akira  
 6 Terami, Fumihiro  
 9 <120> TITLE OF INVENTION: LOW TEMPERATURE EXPRESSION CHITINASE CDNAS AND METHOD FOR  
 ISOLATING THE

10 SAME

13 &lt;130&gt; FILE REFERENCE: 107156-00004

14 &lt;140&gt; CURRENT APPLICATION NUMBER: US 09/534,229B

16 &lt;141&gt; CURRENT FILING DATE: 2000-03-24

19 &lt;160&gt; NUMBER OF SEQ ID NOS: 8

22 &lt;170&gt; SOFTWARE: PatentIn version 3.0

25 &lt;210&gt; SEQ ID NO: 1

26 &lt;211&gt; LENGTH: 256

27 &lt;212&gt; TYPE: PRT

28 &lt;213&gt; ORGANISM: Triticum aestivum

31 &lt;400&gt; SEQUENCE: 1

33 Met Ala Arg Phe Ala Ala Leu Ala Val Cys Ala Ala Ala Leu Leu Leu

34 1 5 10 15

36 Ala Val Ala Ala Gly Gly Ala Ala Ala Gln Gly Val Gly Ser Val Ile

37 20 25 30

39 Thr Arg Ser Val Tyr Ala Ser Met Leu Pro Asn Arg Asp Asn Ser Leu

40 35 40 45

42 Cys Pro Ala Arg Gly Phe Tyr Thr Tyr Asp Ala Phe Ile Ala Ala Ala

43 50 55 60

45 Asn Thr Phe Pro Gly Phe Gly Thr Thr Gly Ser Ala Asp Asp Ile Lys

46 65 70 75 80

48 Arg Asp Leu Ala Ala Phe Phe Gly Gln Thr Ser His Glu Thr Thr Gly

49 85 90 95

51 Gly Thr Arg Gly Ala Ala Asp Gln Phe Gln Trp Gly Tyr Cys Phe Lys

52 100 105 110

54 Glu Glu Ile Ser Lys Ala Thr Ser Pro Pro Tyr Tyr Gly Arg Gly Pro

55 115 120 125

57 Ile Gln Leu Thr Gly Arg Ser Asn Tyr Asp Leu Ala Gly Arg Ala Ile

58 130 135 140

60 Gly Lys Asp Leu Val Ser Asn Pro Asp Leu Val Ser Thr Asp Ala Val

61 145 150 155 160

63 Val Ser Phe Arg Thr Ala Met Trp Phe Trp Met Thr Ala Gln Gly Asn

64 165 170 175

66 Lys Pro Ser Cys His Asn Val Ala Leu Arg Arg Trp Thr Pro Thr Ala

67 180 185 190

69 Ala Asp Thr Ala Ala Gly Arg Val Pro Gly Tyr Gly Val Ile Thr Asn

70 195 200 205

72 Ile Ile Asn Gly Gly Leu Glu Cys Gly Met Gly Arg Asn Asp Ala Asn

73 210 215 220

75 Val Asp Arg Ile Gly Tyr Tyr Thr Arg Tyr Cys Gly Met Leu Gly Thr

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:06

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

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76 225          230          235          240
78 Ala Thr Gly Gly Asn Leu Asp Cys Tyr Thr Gln Arg Asn Phe Ala Ser
79          245          250          255
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 323
83 <212> TYPE: PRT
84 <213> ORGANISM: Triticum aestivum
87 <400> SEQUENCE: 2
89 Met Ser Thr Leu Arg Ala Arg Cys Ala Thr Ala Val Leu Ala Val Val
90 1          5          10          15
92 Leu Ala Ala Ala Ala Val Thr Pro Ala Thr Ala Glu Gln Cys Gly Ser
93          20          25          30
95 Gln Ala Gly Gly Ala Lys Cys Ala Asp Cys Leu Cys Cys Ser Gln Phe
96          35          40          45
98 Gly Phe Cys Gly Thr Thr Ser Asp Tyr Cys Gly Pro Arg Cys Gln Ser
99          50          55          60
101 Gln Cys Thr Gly Cys Gly Gly Gly Gly Gly Val Ala Ser Ile Val
102 65          70          75          80
104 Ser Arg Asp Leu Phe Glu Arg Phe Leu Leu His Arg Asn Asp Ala Ala
105          85          90          95
107 Cys Leu Ala Arg Gly Phe Tyr Thr Tyr Asp Ala Phe Leu Ala Ala Ala
108          100          105          110
110 Gly Ala Phe Pro Ala Phe Gly Thr Thr Gly Asp Leu Asp Thr Arg Lys
111          115          120          125
113 Arg Glu Val Ala Ala Phe Phe Gly Gln Thr Ser His Glu Thr Thr Gly
114          130          135          140
116 Gly Trp Pro Thr Ala Pro Asp Gly Pro Phe Ser Trp Gly Tyr Cys Phe
117 145          150          155          160
119 Lys Gln Glu Gln Gly Ser Pro Pro Ser Tyr Cys Asp Gln Ser Ala Asp
120          165          170          175
122 Trp Pro Cys Ala Pro Gly Lys Gln Tyr Tyr Gly Arg Gly Pro Ile Gln
123          180          185          190
125 Leu Thr His Asn Tyr Asn Tyr Gly Pro Ala Gly Arg Ala Ile Gly Val
126          195          200          205
128 Asp Leu Leu Asn Asn Pro Asp Leu Val Ala Thr Asp Pro Thr Val Ala
129          210          215          220
131 Phe Lys Thr Ala Ile Trp Phe Trp Met Thr Thr Gln Ser Asn Lys Pro
132 225          230          235          240
134 Ser Cys His Asp Val Ile Thr Gly Leu Trp Thr Pro Thr Ala Arg Asp
135          245          250          255
137 Ser Ala Ala Gly Arg Val Pro Gly Tyr Gly Val Ile Thr Asn Val Ile
138          260          265          270
140 Asn Gly Gly Ile Glu Cys Gly Met Gly Gln Asn Asp Lys Val Ala Asp
141          275          280          285
143 Arg Ile Gly Phe Tyr Lys Arg Tyr Cys Asp Ile Phe Gly Ile Gly Tyr
144          290          295          300
146 Gly Asn Asn Leu Asp Cys Tyr Asn Gln Leu Ser Phe Asn Val Gly Leu
147 305          310          315          320
149 Ala Ala Gln

```

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:06

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

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152 <210> SEQ ID NO: 3
153 <211> LENGTH: 319
154 <212> TYPE: PRT
155 <213> ORGANISM: Triticum aestivum
158 <400> SEQUENCE: 3
160 Met Arg Gly Val Val Val Val Ala Met Leu Ala Ala Ala Phe Ala Val
161 1 5 10 15
163 Ser Ala His Ala Glu Gln Cys Gly Ser Gln Ala Gly Gly Ala Thr Cys
164 20 25 30
166 Pro Asn Cys Leu Cys Cys Ser Lys Phe Gly Phe Cys Gly Thr Thr Ser
167 35 40 45
169 Asp Tyr Cys Gly Thr Gly Cys Gln Ser Gln Cys Asn Gly Cys Ser Gly
170 50 55 60
172 Gly Thr Pro Val Pro Val Pro Thr Pro Ser Gly Gly Gly Val Ser Ser
173 65 70 75 80
175 Ile Ile Ser Gln Ser Leu Phe Asp Gln Met Leu Leu His Arg Asn Asp
176 85 90 95
178 Ala Ala Cys Leu Ala Lys Gly Phe Tyr Asn Tyr Gly Ala Phe Val Ala
179 100 105 110
181 Ala Ala Asn Ser Phe Ser Gly Phe Ala Thr Thr Gly Ser Thr Asp Val
182 115 120 125
184 Lys Lys Arg Glu Val Ala Ala Phe Leu Ala Gln Thr Ser His Glu Thr
185 130 135 140
187 Thr Gly Gly Trp Pro Thr Ala Pro Asp Gly Pro Tyr Ser Trp Gly Tyr
188 145 150 155 160
190 Cys Phe Asn Gln Glu Arg Gly Ala Thr Ser Asp Tyr Cys Thr Pro Ser
191 165 170 175
193 Ser Gln Trp Pro Cys Ala Pro Gly Lys Lys Tyr Phe Gly Arg Gly Pro
194 180 185 190
196 Ile Gln Ile Ser His Asn Tyr Asn Tyr Gly Pro Ala Gly Gln Ala Ile
197 195 200 205
199 Gly Thr Asp Leu Leu Asn Asn Pro Asp Leu Val Ala Ser Asp Ala Thr
200 210 215 220
202 Val Ser Phe Lys Thr Ala Leu Trp Phe Trp Met Thr Pro Gln Ser Pro
203 225 230 235 240
205 Lys Pro Ser Ser His Asp Val Ile Thr Gly Arg Trp Ser Pro Ser Gly
206 245 250 255
208 Ala Asp Gln Ala Ala Gly Arg Val Pro Gly Tyr Gly Val Ile Thr Asn
209 260 265 270
211 Ile Ile Asn Gly Gly Leu Glu Cys Gly Arg Gly Gln Asp Gly Arg Val
212 275 280 285
214 Ala Asp Arg Ile Gly Phe Tyr Lys Arg Tyr Cys Asp Leu Leu Gly Val
215 290 295 300
217 Ser Tyr Gly Asp Asn Leu Asp Cys Tyr Asn Gln Arg Pro Phe Ala
218 305 310 315

```

220 &lt;210&gt; SEQ ID NO: 4

221 &lt;211&gt; LENGTH: 23

222 &lt;212&gt; TYPE: DNA

C--&gt; 223 &lt;213&gt; ORGANISM: Artificial

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:06

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

226 <220> FEATURE:  
 227 <221> NAME/KEY: misc\_feature  
 228 <222> LOCATION: (1)..(23)  
 229 <223> OTHER INFORMATION: Artificial primer.  
 232 <400> SEQUENCE: 4 *see -> Item 9 on Euro Summary Sheet*

W--> 233 ~~cacgagacca chggcggnitg ggc~~ 23  
 236 <210> SEQ ID NO: 5  
 237 <211> LENGTH: 20  
 238 <212> TYPE: DNA  
 239 <213> ORGANISM: Artificial

242 <220> FEATURE:  
 243 <221> NAME/KEY: misc\_feature  
 244 <222> LOCATION: (1)..(20)  
 245 <223> OTHER INFORMATION: Artificial primer.  
 248 <220> FEATURE:  
 249 <221> NAME/KEY: misc\_feature  
 250 <222> LOCATION: 12, 18 ? "n" is at location 3 only  
 251 <223> OTHER INFORMATION: n can be one of a,c,t, or g  
 254 <400> SEQUENCE: 5

W--> 255 ~~acnaatatca tcaacggcgg~~ 20  
 258 <210> SEQ ID NO: 6  
 259 <211> LENGTH: 771  
 260 <212> TYPE: DNA  
 261 <213> ORGANISM: Triticum aestivum  
 264 <220> FEATURE:  
 265 <221> NAME/KEY: misc\_feature  
 266 <222> LOCATION: (1)..(771)  
 267 <223> OTHER INFORMATION: cDNA  
 270 <220> FEATURE:  
 271 <221> NAME/KEY: misc\_feature "g" is at location 3  
 272 <222> LOCATION: 3 ?  
 273 <223> OTHER INFORMATION: n can be one of a,c,t, or g *no n's in this sequence*  
 276 <400> SEQUENCE: 6

277	atgacgaggt	ttgctgccct	cgccgtgtgc	gccgcgcgcgc	tctgtctcgc	cgtggcgggc	60
279	gggggtgccg	cggcgcaggg	cgtgggctcg	gtcatcacgc	ggtcgggtgta	cgcgagcact	120
281	ctgcccaccc	gcgacaactc	gctgtgcccg	gccagagggg	tctacacgta	cgacgccttc	180
283	atcgccgcgc	ccaacacctt	cccgggcttc	ggcaccaccg	gcagcgccga	cgacatcaag	240
285	cgcgacctcg	ccgccttctt	cggccagacc	tcccacgaga	ccaccggagg	gacgagaggg	300
287	gctgcccagc	agttccagtg	gggctactgc	ttcaaggaag	agataagcaa	ggccacgtcc	360
289	ccaccatact	atggacgggg	acccatccaa	ttgacagggc	ggtccaacta	cgatcttgcc	420
291	gggagagcga	tcgggaagga	cctggtgagc	aaccacagacc	tagtgtccac	ggacgcgggtg	480
293	gtgtccttca	ggacggccat	gtggttctgg	atgacggcgc	agggaaacaa	gccgtcgtgc	540
295	cacaacgtcg	ccctacgcgc	ctggacgcgc	acggccgcgc	acaccgctgc	cggcaggggta	600
297	cccgatacgc	gagtgatcac	caatatcatc	aacggcgggc	tcgagtgccg	aatgggcccgc	660
299	aacgacgcca	acgtcgaccg	catcggctac	tacacgcgct	actgcggcat	gctcggcacg	720
301	gccaccggag	gcaacctcga	ctgctacacc	cagaggaact	tcgctagcta	g	771

304 <210> SEQ ID NO: 7  
 305 <211> LENGTH: 972  
 306 <212> TYPE: DNA

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:06

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

307 &lt;213&gt; ORGANISM: Triticum aestivum

310 &lt;220&gt; FEATURE:

311 &lt;221&gt; NAME/KEY: misc\_feature

312 &lt;222&gt; LOCATION: (1)..(972)

313 &lt;223&gt; OTHER INFORMATION: cDNA

316 &lt;400&gt; SEQUENCE: 7

```

317 atgtccacgc tgagagcgcg gtgtgcgacg gccgtcctgg ccgtcgtcct ggcgggcgcc 60
319 ggggtcacgc cggccacggc cgagcagtgc ggctcgcaag ccggcgggcg caagtgcgcc 120
321 gactgcctgt gctgcagcca gttcgggttc tgcggcacca cctccgacta ctgcggcccc 180
323 cgctgccaga gccagtgcac tggctgcggt ggcgggcgcg gcggggtggc ctccatcgtg 240
325 tccagggacc tcttcgagcg gttcctgctc catcgcaacg acgcagcgtg cctggcccgc 300
327 gggttctaca cgtacgacgc cttcttgccc gccgcggcg cgttcccggc cttcggcacc 360
329 accggagacc tggacacgcg gaagcgggag gtggcgccct tcttcggcca gacctctcac 420
331 gagaccaccg gcgggtggcc caccgcgccc gacggccctt tctcatgggg ctactgcttc 480
333 aagcaggagc agggctcgcc gccgagctac tgcgaccaga gcgcgcactg gccgtgcgca 540
335 cccggcaagc agtactatgg ccggggcccc atccagctca cccacaacta caactacgga 600
337 ccggcgggcc gcgcaatcgg ggtggacctg ctgaacaatc cggacctggg ggccacggac 660
339 ccgacagtgg cgttcaagac ggcgatatgg ttctggatga cgacgcagtc caacaagccg 720
341 tcgtgccatg acgtgatcac ggggctgtgg actccgacgg ccagggatag cgcagccgga 780
343 cgggtaccgc ggtatggtgt catcaccaac gtcatcaacg gcgggatcca atgcggcatg 840
345 gggcagaacg acaagggtggc ggatcgatc gggttctaca agcgctattg tgacattttc 900
347 ggcacgcggt acgggaataa cctcgactgc tacaaccaat tgtcgttcaa cgttgggctc 960
349 gcggcacagt ga

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352 &lt;210&gt; SEQ ID NO: 8

353 &lt;211&gt; LENGTH: 960

354 &lt;212&gt; TYPE: DNA

355 &lt;213&gt; ORGANISM: Triticum aestivum

359 &lt;220&gt; FEATURE:

360 &lt;221&gt; NAME/KEY: misc\_feature

361 &lt;222&gt; LOCATION: (1)..(960)

362 &lt;223&gt; OTHER INFORMATION: cDNA

365 &lt;400&gt; SEQUENCE: 8

```

366 atgagaggag ttgtggtggt ggccatgctg gccgcggcct tcgccgtgtc tgcgacgcgc 60
368 gagcaatgcg gctcgcaggc cggcggggcg acgtgcccc aactgcctctg ctgcagcaag 120
370 ttcggtttct gcggcaccac ctccgactac tgcggcaccg gctgccagag ccagtgcaat 180
372 ggctgcagcg gcggcaccac ggtaccggtt ccgacccctt ccggcgggcg cgtctcctcc 240
374 attatctcgc agtcgctctt cgaccagatg ctgctgcacc gcaacgacgc ggcgtgcctg 300
376 gccaaagggg tctacaacta cggcgcttc gtcgcgcgcg ccaactcgtt ctcgggcttc 360
378 gcgaccacag gtagcaccga cgtcaagaag cgcgaggtgg ccgcgttctt cgctcagact 420
380 tcccacgaga cgaccggcg gtggccgacg gcgcccagcg gcccctactc ctggggctac 480
382 tgcttcaacc aggagcgcg cgccacctcc gactactgca cgccgagctc gcagtggcca 540
384 tgtgcgcgcg gcaagaagta cttcgggcgc gggcccatcc agatctcaca caactacaac 600
386 tacgggcccg cggggcaggc catcggcacc gacctgctca acaacccgga ccttggtggc 660
388 tcggacgcga ccgtgtcgtt taagacggcg ttgtggttct ggatgacgcc gcaatcacc 720
390 aagccttcga gccacgacgt gatcacgggc cgggtggagcc cctcgggcgc cgaccaggcg 780
392 gcggggaggg tgcttgggta cgggtgtgat accaacaatc tcaacggtgg gctcgagtgc 840
394 gggcgcgggc aggacggccg tgcgcgcgac cggatcgggt tctacaagcg ctactgcgac 900
396 ctcttggcg tcagctacgg tgacaacctg gactgtctaca accaaaggcc gttcgcatag 960

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## VERIFICATION SUMMARY

DATE: 02/13/2002

PATENT APPLICATION: US/09/534,229B

TIME: 15:39:07

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02132002\I534229B.raw

L:14 M:283 W: Missing Blank Line separator, <140> field identifier  
L:223 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:239 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

09/534 229A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY P

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 3<sup>rd</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length.      Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11      Use of <220>      Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.